



# FEMA



Prepared by  
*Brian Hoeth*

# FEMA Region 6 Weather Threat Briefing

Tuesday, February 12, 2019

**Disclaimer:** The purpose of this briefing is to provide a **Regional** weather threat assessment and is meant as a general overview. County/Parish decision makers should consult their local NWS forecast offices for the latest detailed, local weather information.

To find your local NWS forecast office, go to [www.weather.gov/srh](http://www.weather.gov/srh).

# Summary of the Upcoming Week



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## **Tuesday**

- **Elevated fire weather conditions across E NM and the southwest TX Panhandle**

## **Wednesday and Thursday**

- **Elevated to critical fire weather conditions for E NM, TX/OK Panhandles, W OK, W/NW TX**

## **Friday and Saturday**

- **No significant weather expected**

## **River Flooding**

- **The MS River continues to rise in the coming days; the point at Osceola in NE AR is expected to rise into Moderate flood stage by the end of this week and crest in major flood stage mid to late next week.**
  - **Impacts in AR: flooded roads, some flooding of the pumphouse area for the power plant (at 29 ft).**
- **Portions of the Black, Cache, Little Red, and St. Francis Rivers in NE AR are in Moderate flood stage.**
  - **Impacts: flooding of roads, including some state highways.**
- **Minor river flooding w/ minimal impacts continues across E TX, LA.**

# FEMA Region 6 Threat Matrix

Feb 12, 2019 – Feb 16, 2019



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DAY / THREAT	TUE	WED	THU	FRI	SAT
Severe Storms					
Heavy Rain / Flash Flooding					
Winter Weather					
Fire Weather	E NM SW TX Panhandle	E NM, TX/OK Panhandles, W OK, W/NW TX	E NM, TX/OK Panhandles, W OK, W/NW TX		
River Flooding	NE AR	NE AR	NE AR	NE AR	NE AR

	No Weather Threats Expected
	Very Common – Happens Often
	Common – Happens Frequently
	Uncommon – A Few Times a Year
	Rare – Once Every 1-5 Years
	Very Rare – Once Every 5-10 Years

*\*Threat levels are based on FEMA Region 6 criteria.  
State or local threat level criteria may differ.\*  
For more details on the colors in the threat matrix refer to the last slide in this briefing.*

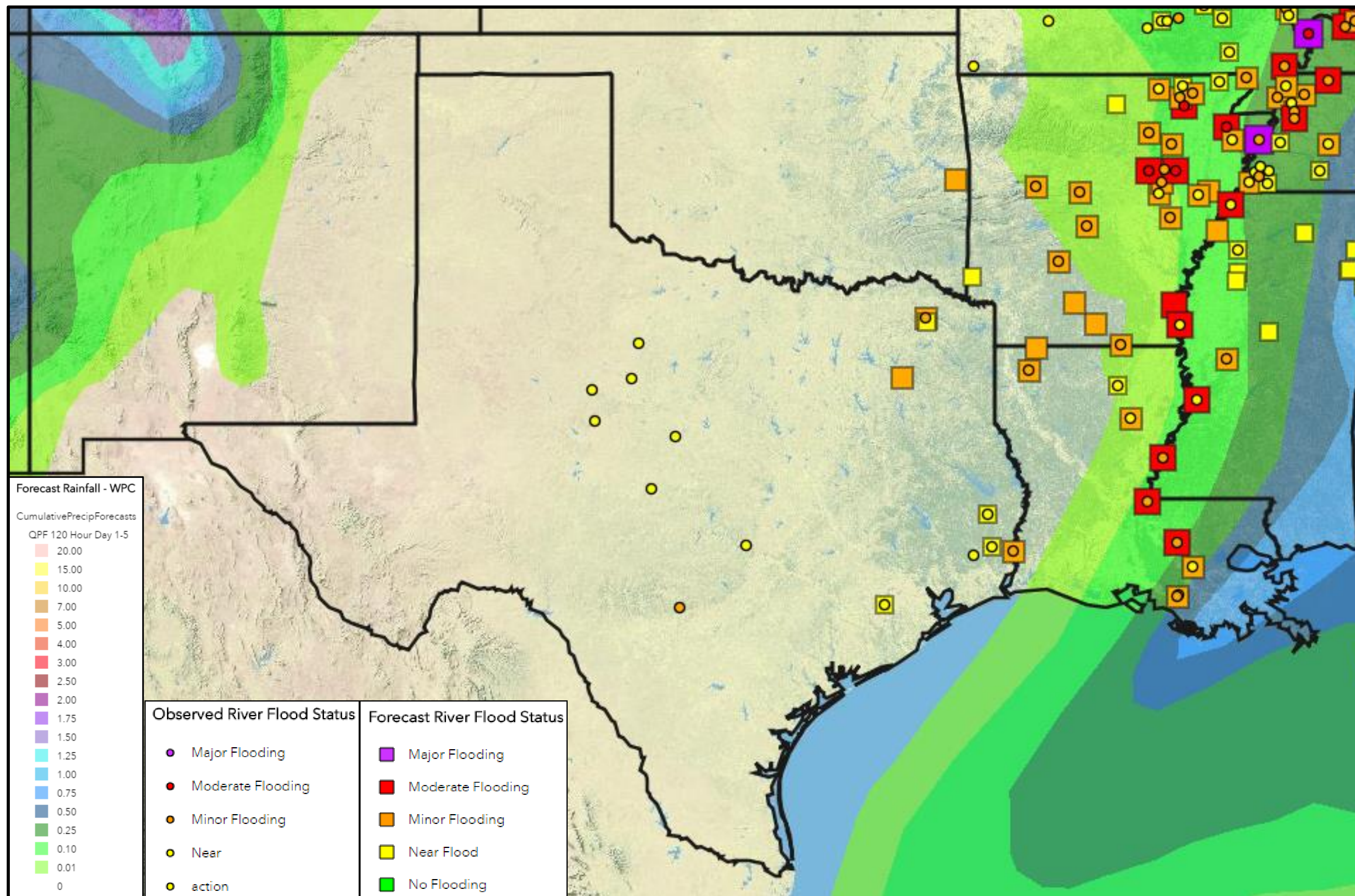


# 5-Day Precipitation Forecast & River Flood Status



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*Note: Even though the image displays 5 days of forecasted rainfall, river forecasts only include 1-2 days of rainfall*



**The MS River continues to rise in the coming days; the point at Osceola in NE AR is expected to rise into Moderate flood stage by the end of this week and crest in major flood stage mid to late next week.**

**Impacts in AR: flooded roads and some flooding of the pumphouse area of the power plant (29 ft).**

**Portions of the Black, Cache, Little Red, and St. Francis Rivers in NE AR are in Moderate flood stage. Impacts: flooding of roads, including some state highways.**

**Minor river flooding w/ minimal impacts continues across E TX, LA.**

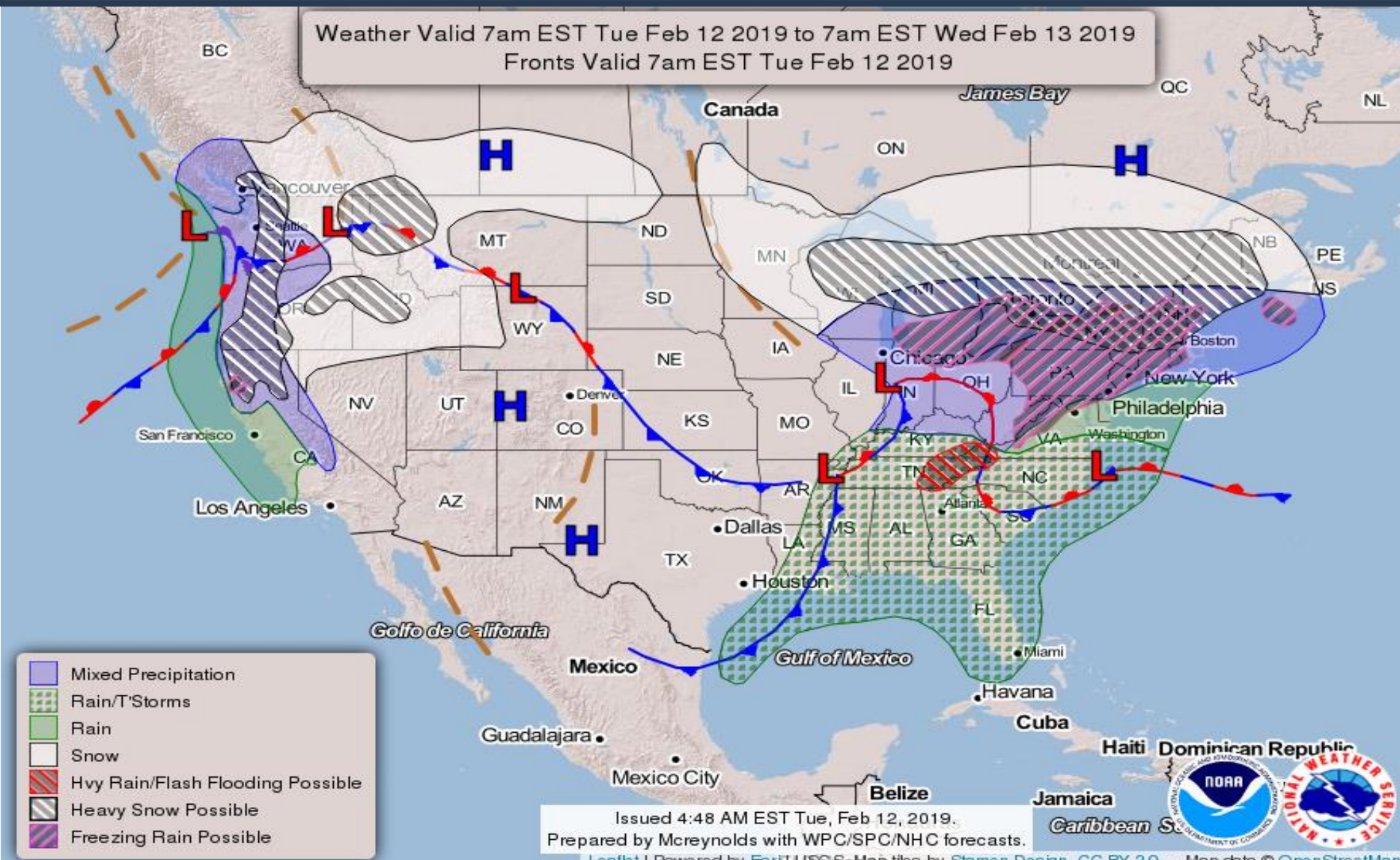


# Today's Weather

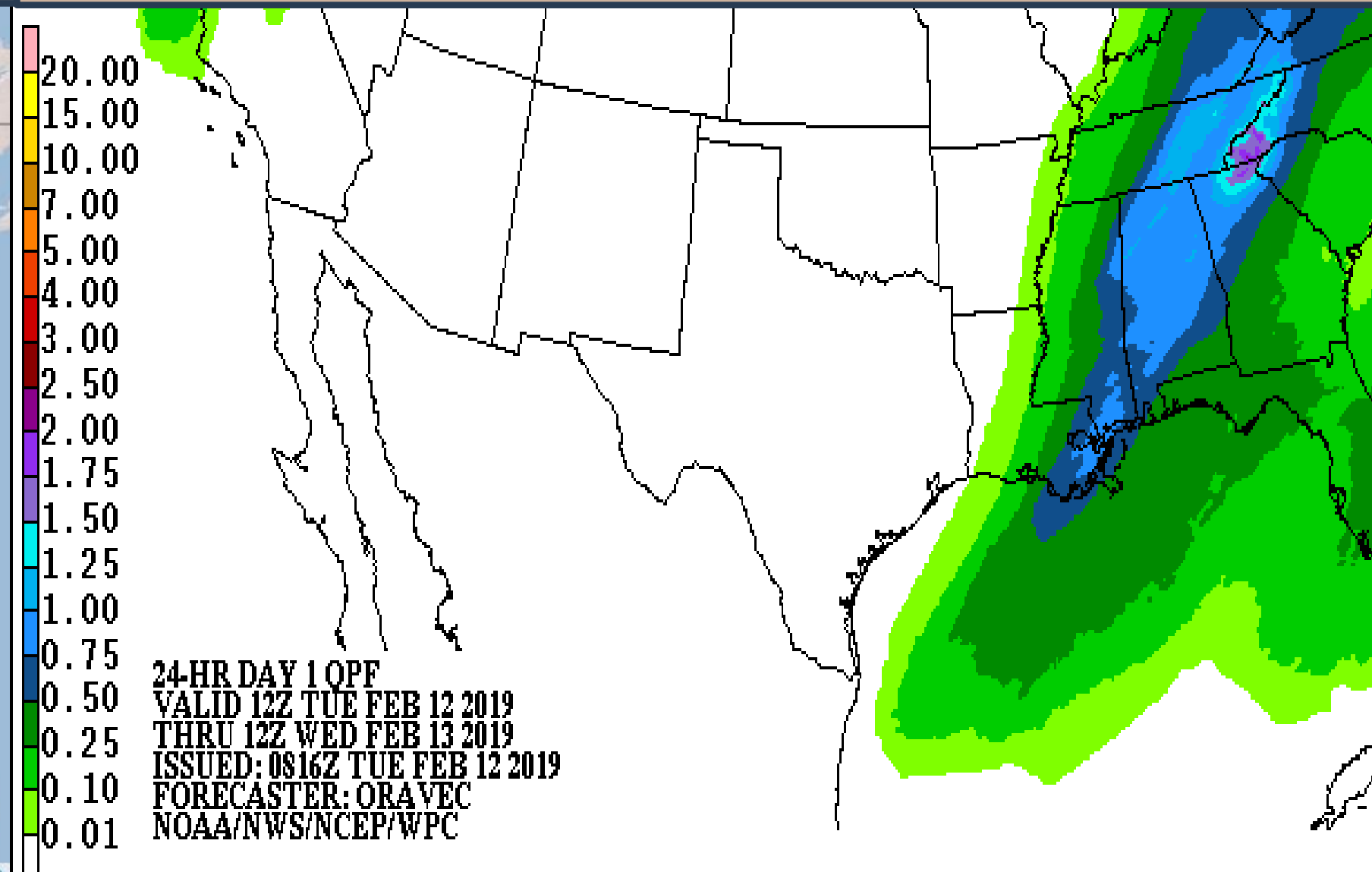


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## Forecast Chart

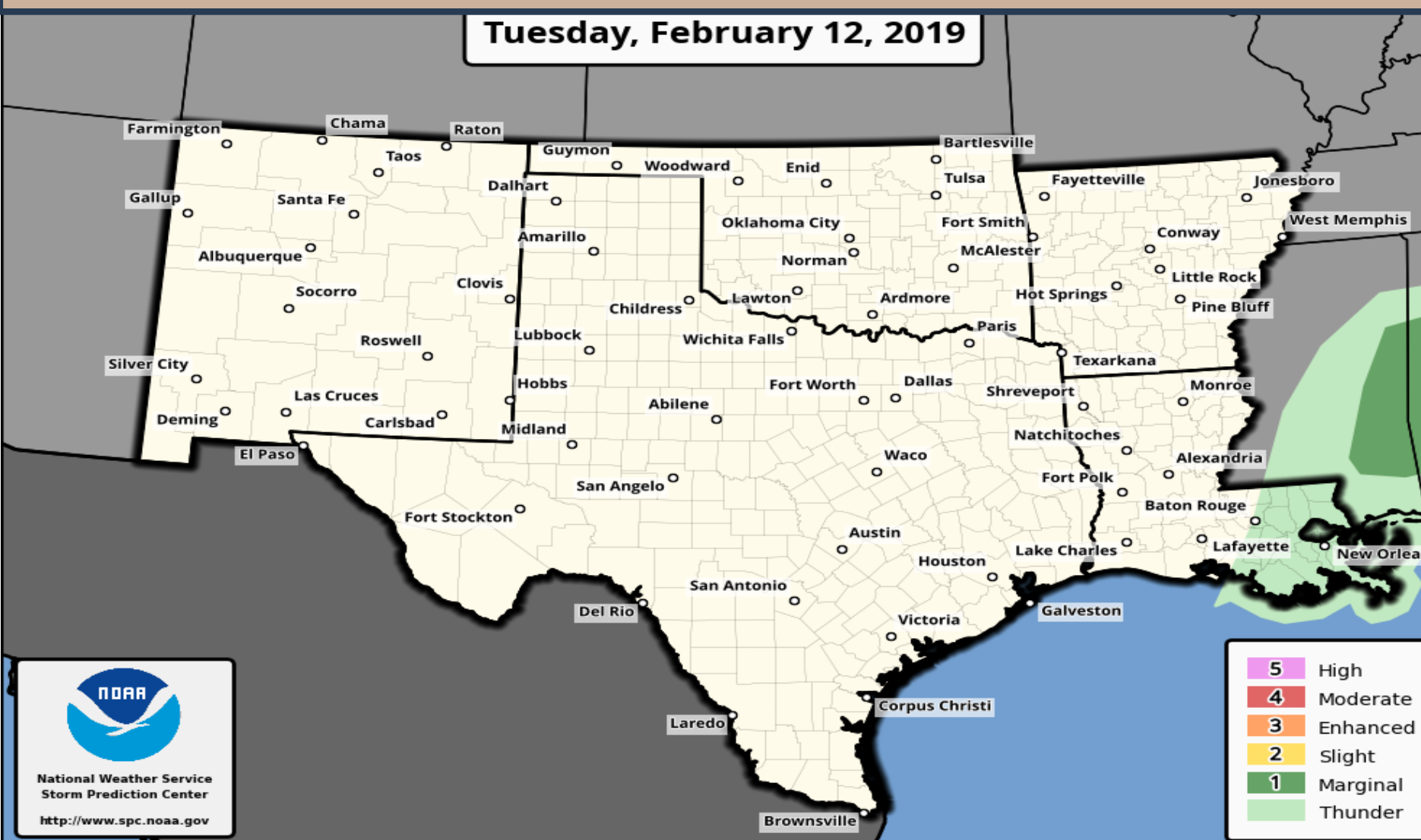


## Forecast Rainfall



**Elevated fire weather  
conditions over E NM and the  
southwest TX Panhandle**

## Severe Weather Outlook



## Excessive Rainfall Outlook

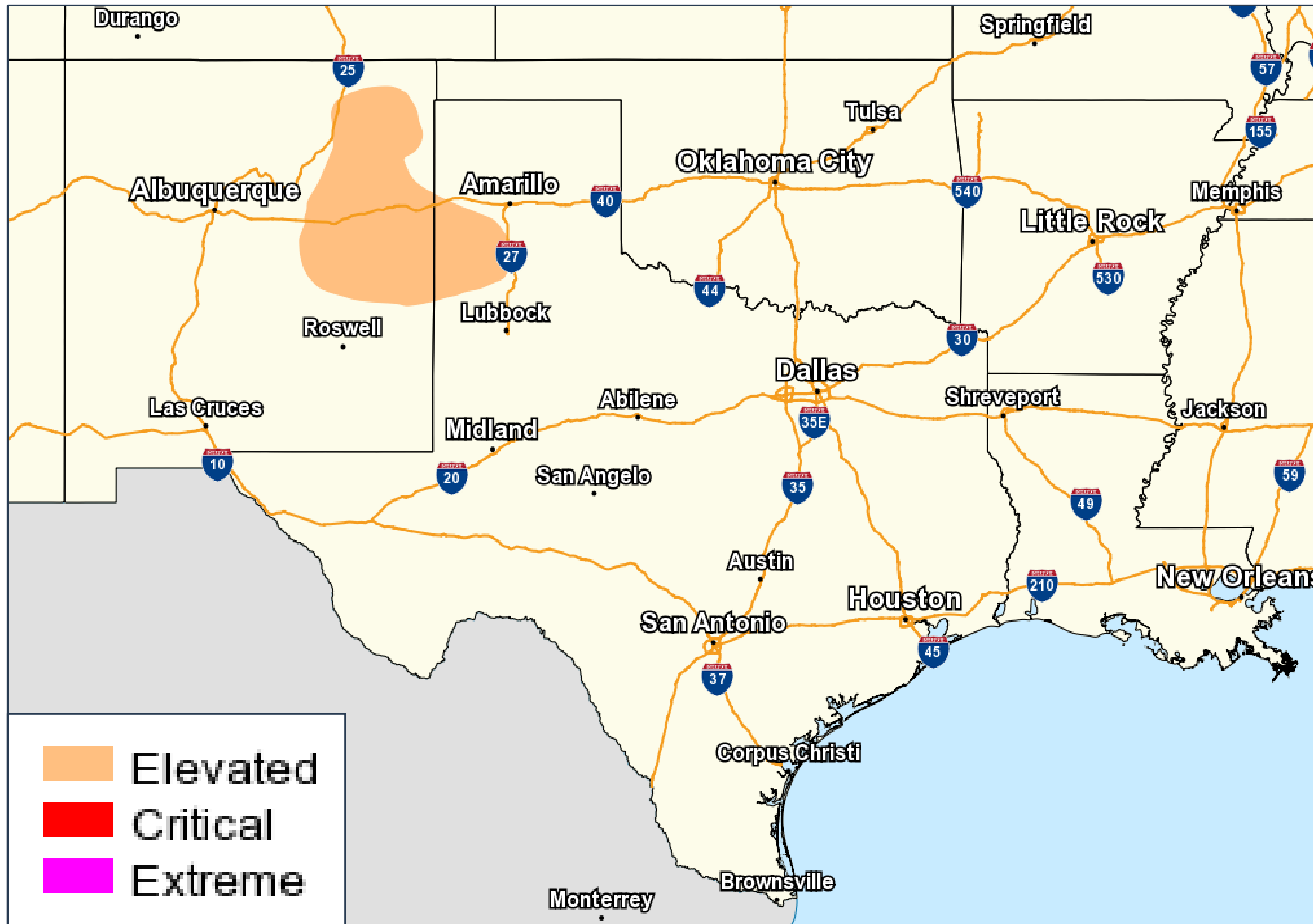




# Today's Fire Weather Outlook



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**Elevated fire weather conditions over  
E NM and the southwest TX Panhandle**

# Watches, Warnings, and Advisories



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## Fire Weather



Graphic Created

## Severe Weather & Flooding



Graphic Created

**Fire Weather Watches in effect for E/NE NM into the TX/OK Panhandles for Critical Fire Weather conditions expected on Wednesday.**

## Strong & Gusty Winds



Graphic Created

## Winter Weather



Graphic Created

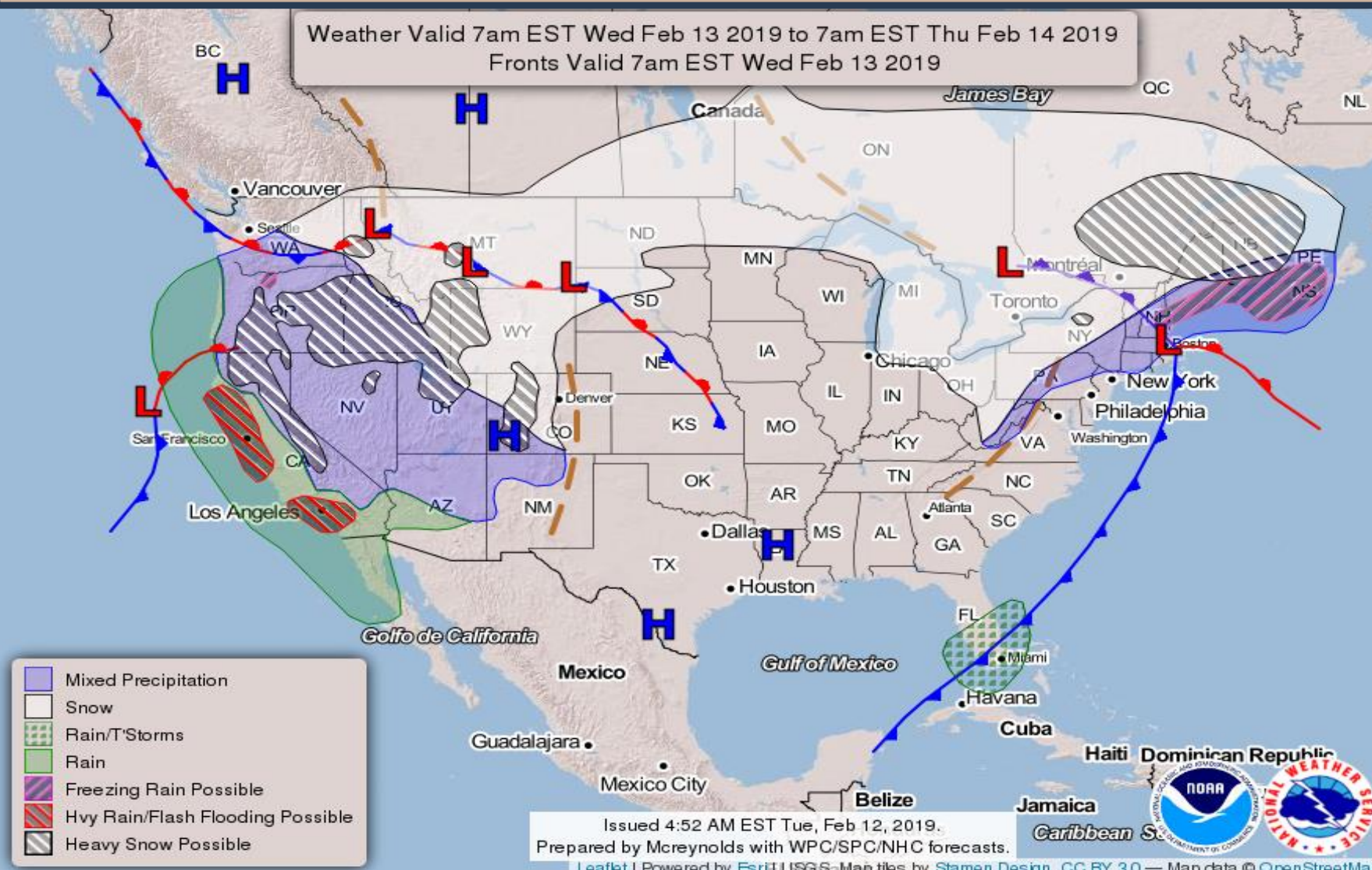


# Tomorrow's Weather

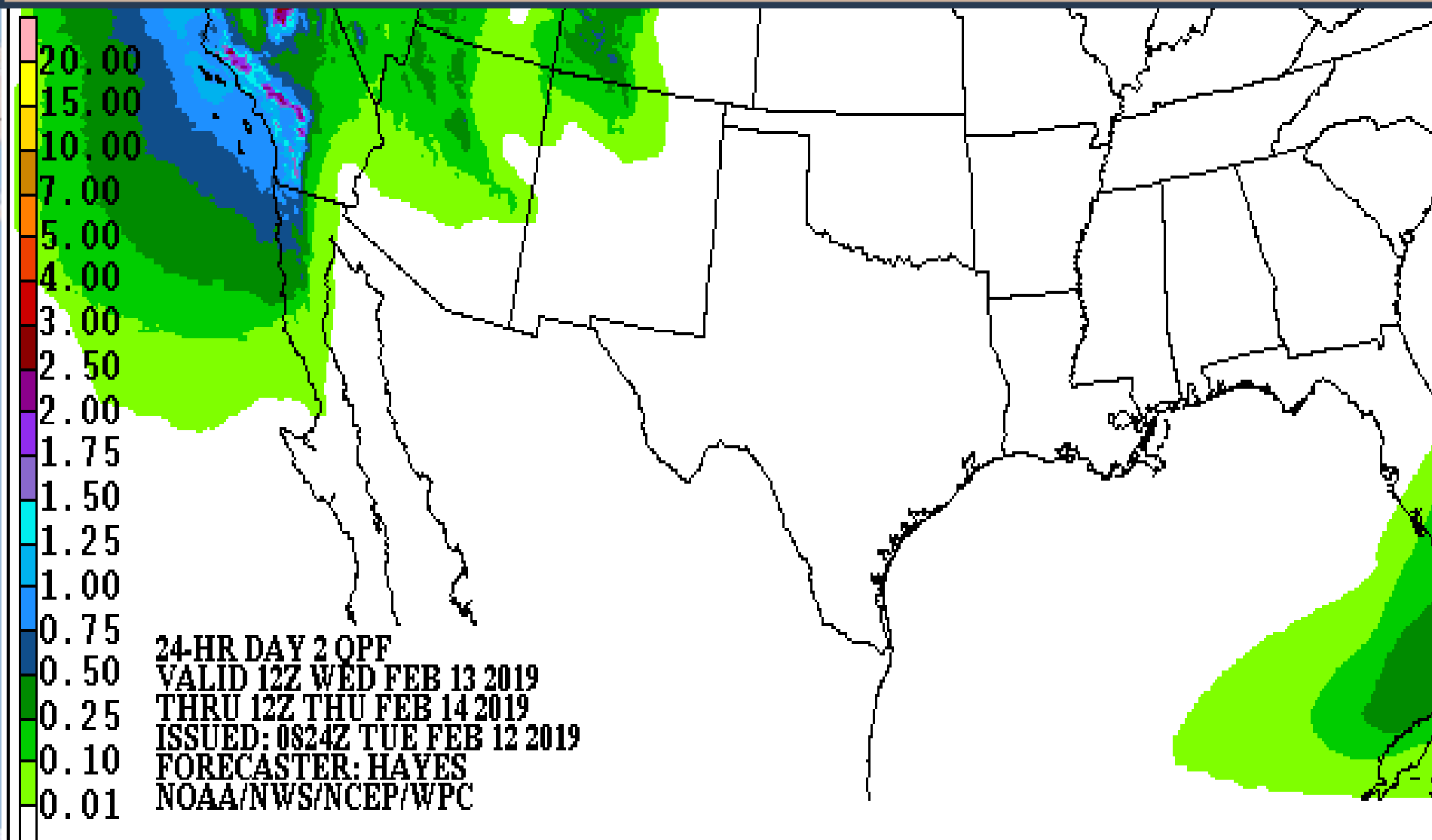


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## Forecast Chart

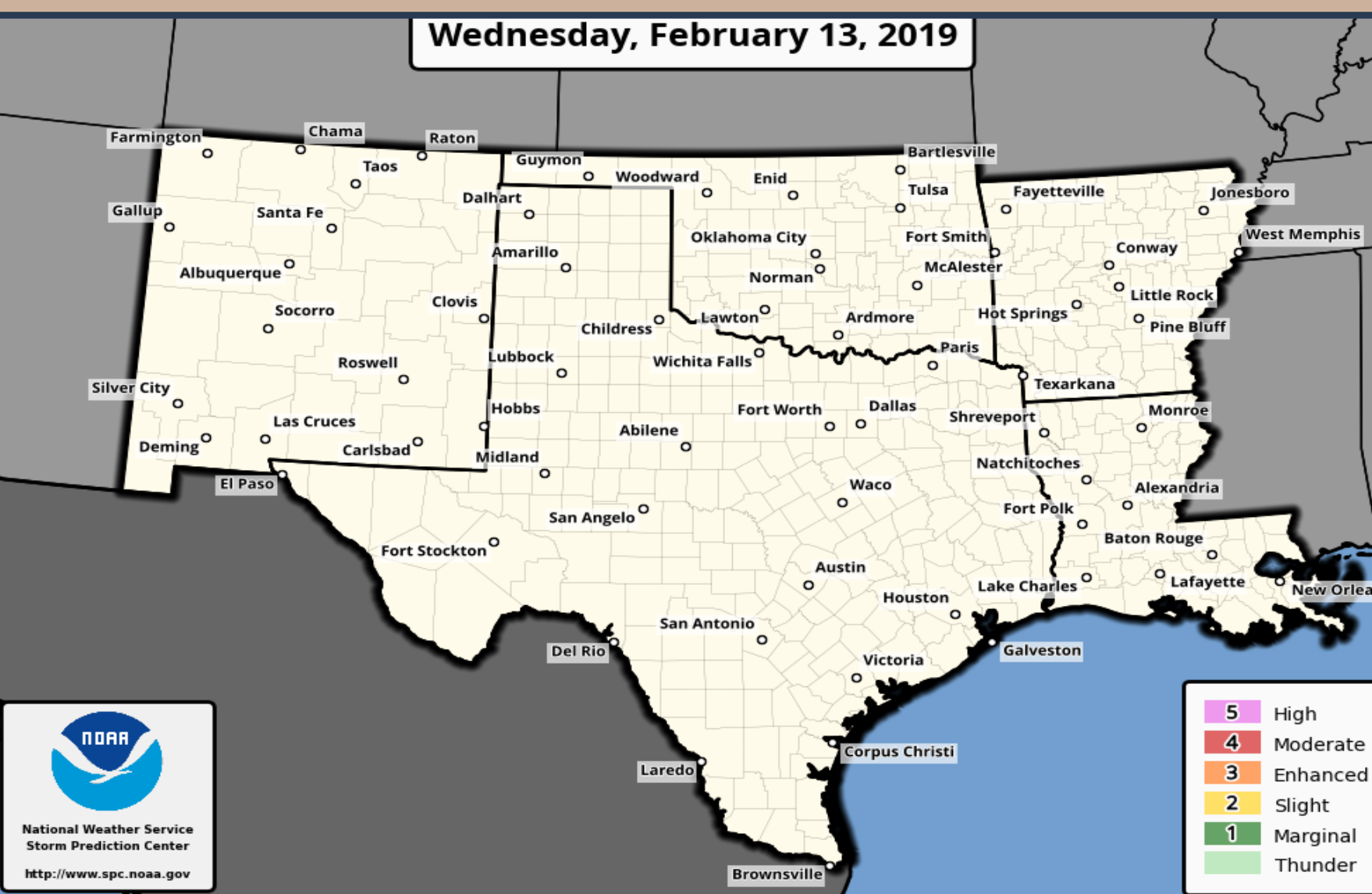


## Forecast Rainfall

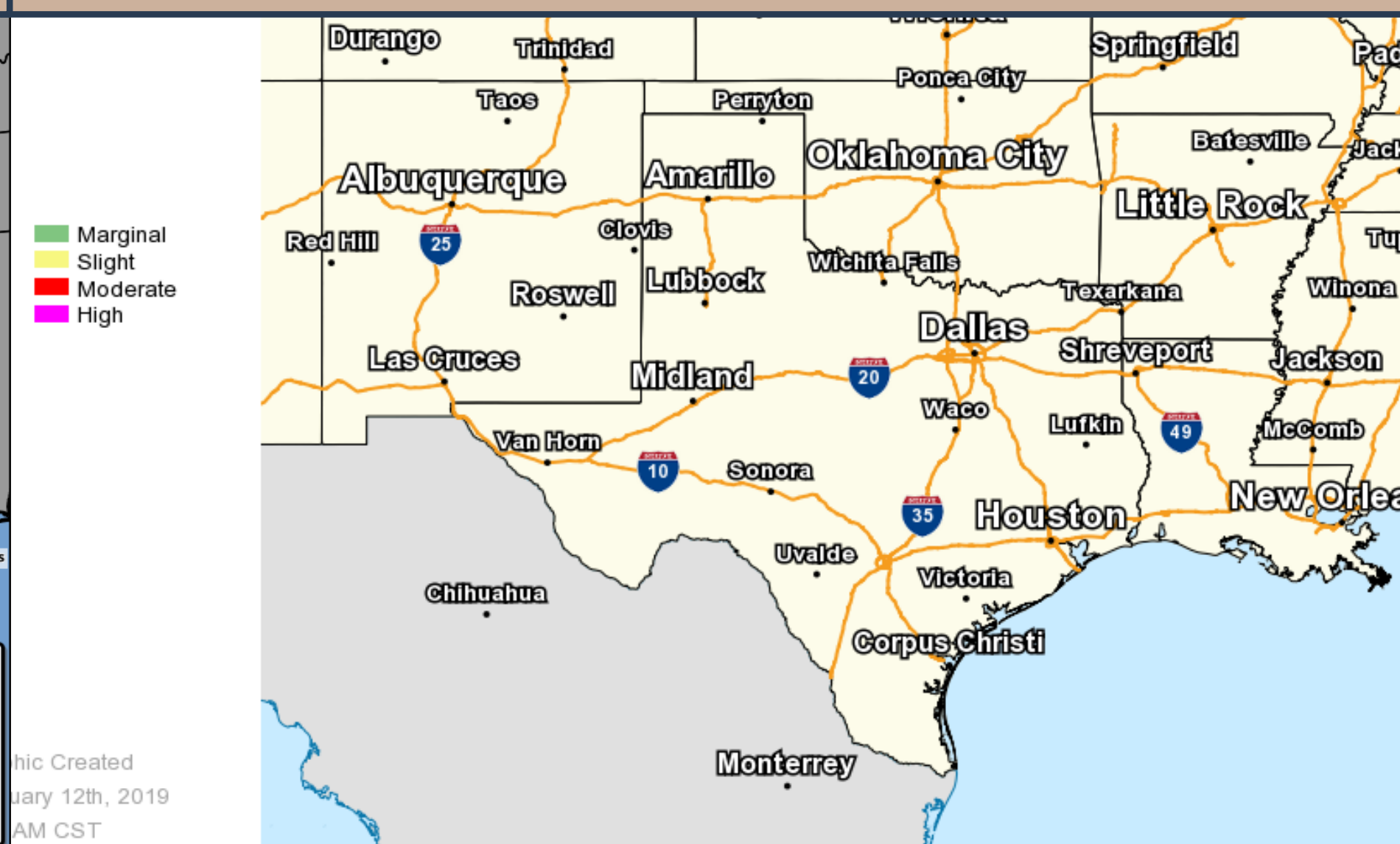


**Elevated to critical fire  
weather conditions for E NM,  
TX/OK Panhandles, W OK,  
W/NW TX.**

## Severe Weather Outlook



## Excessive Rainfall Outlook

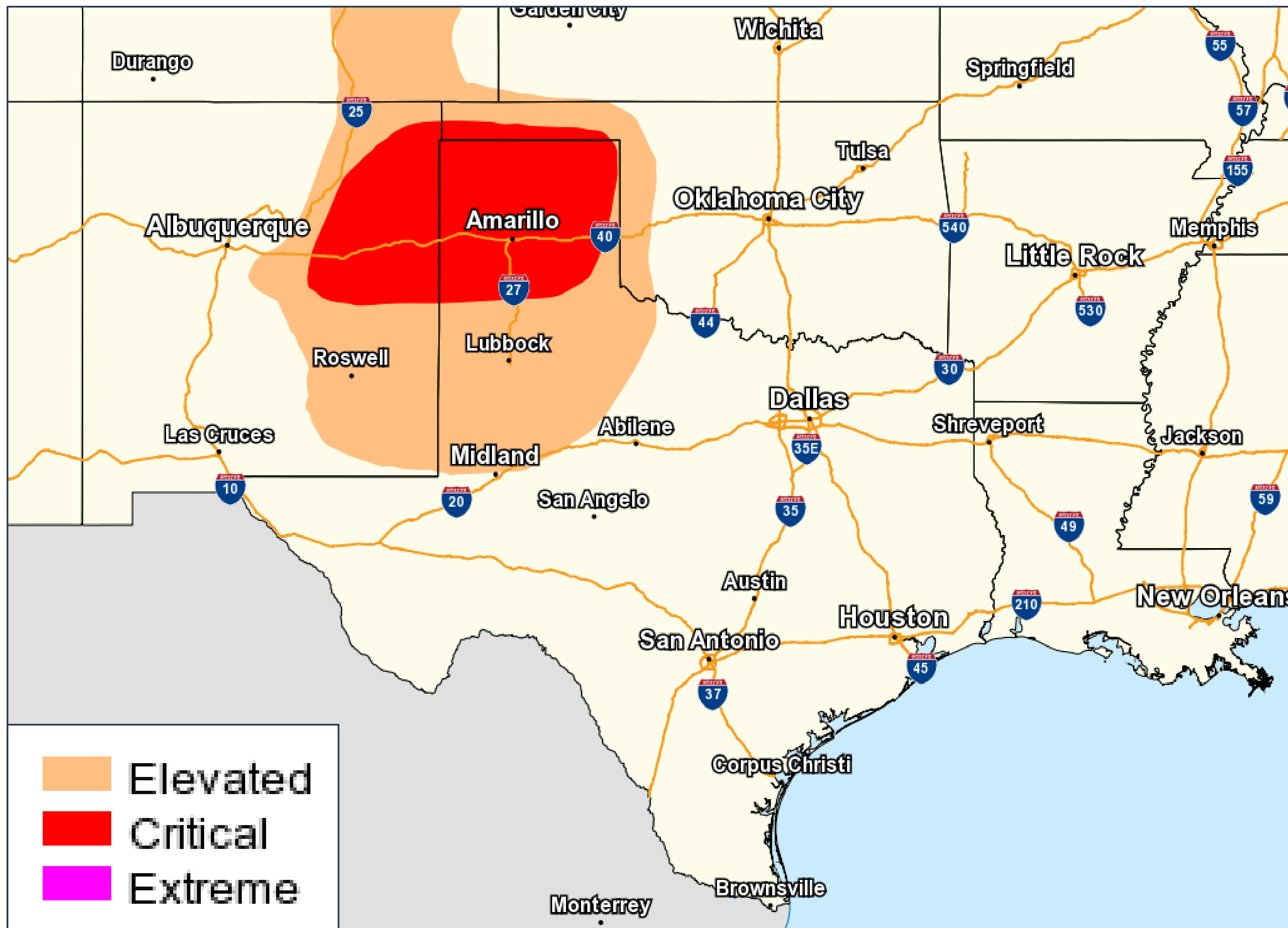




# Tomorrow's Fire Weather Outlook



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**Elevated to critical fire weather conditions for  
E NM, TX/OK Panhandles, W OK, W/NW TX.**



# Thursday's Weather

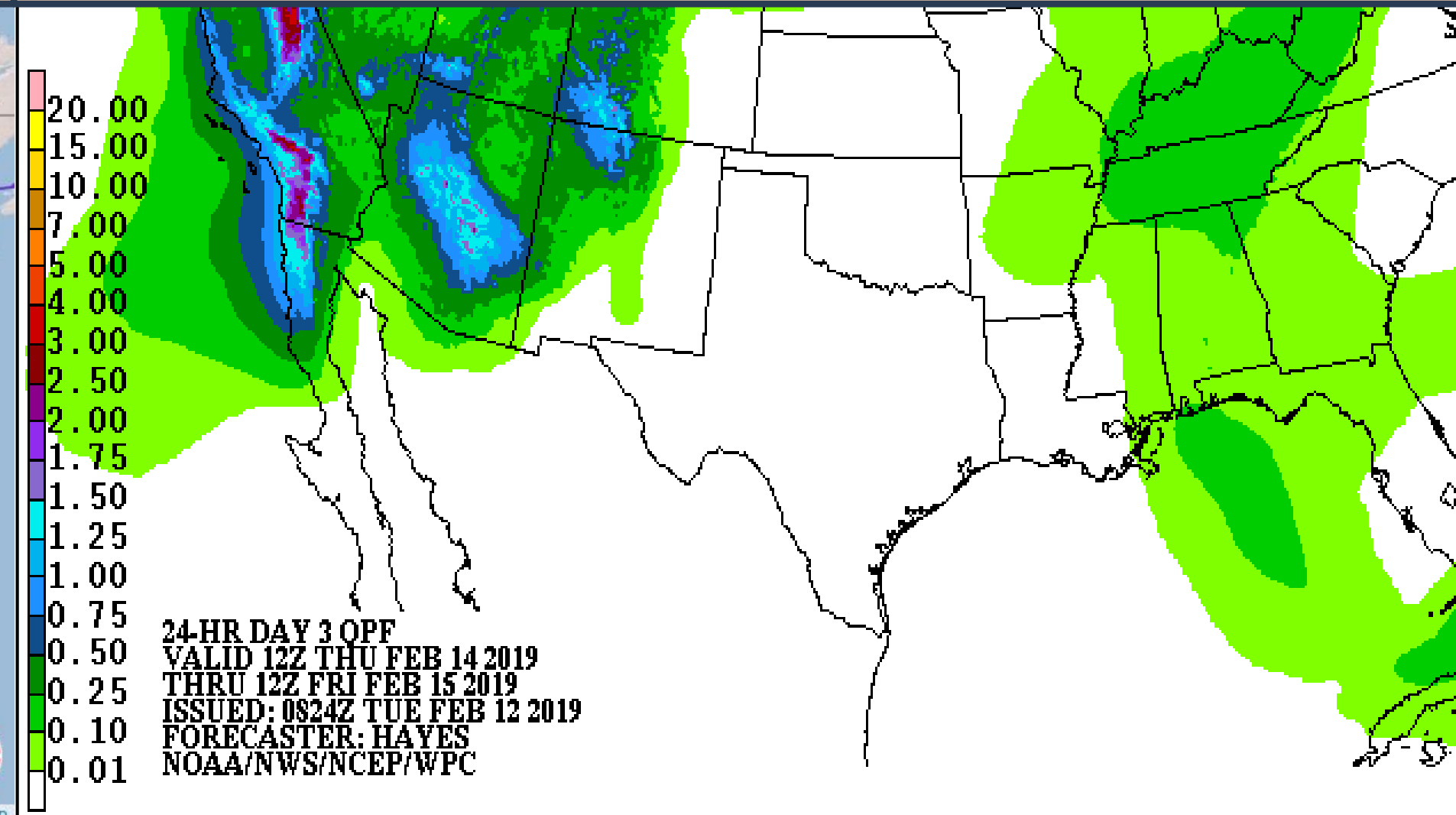
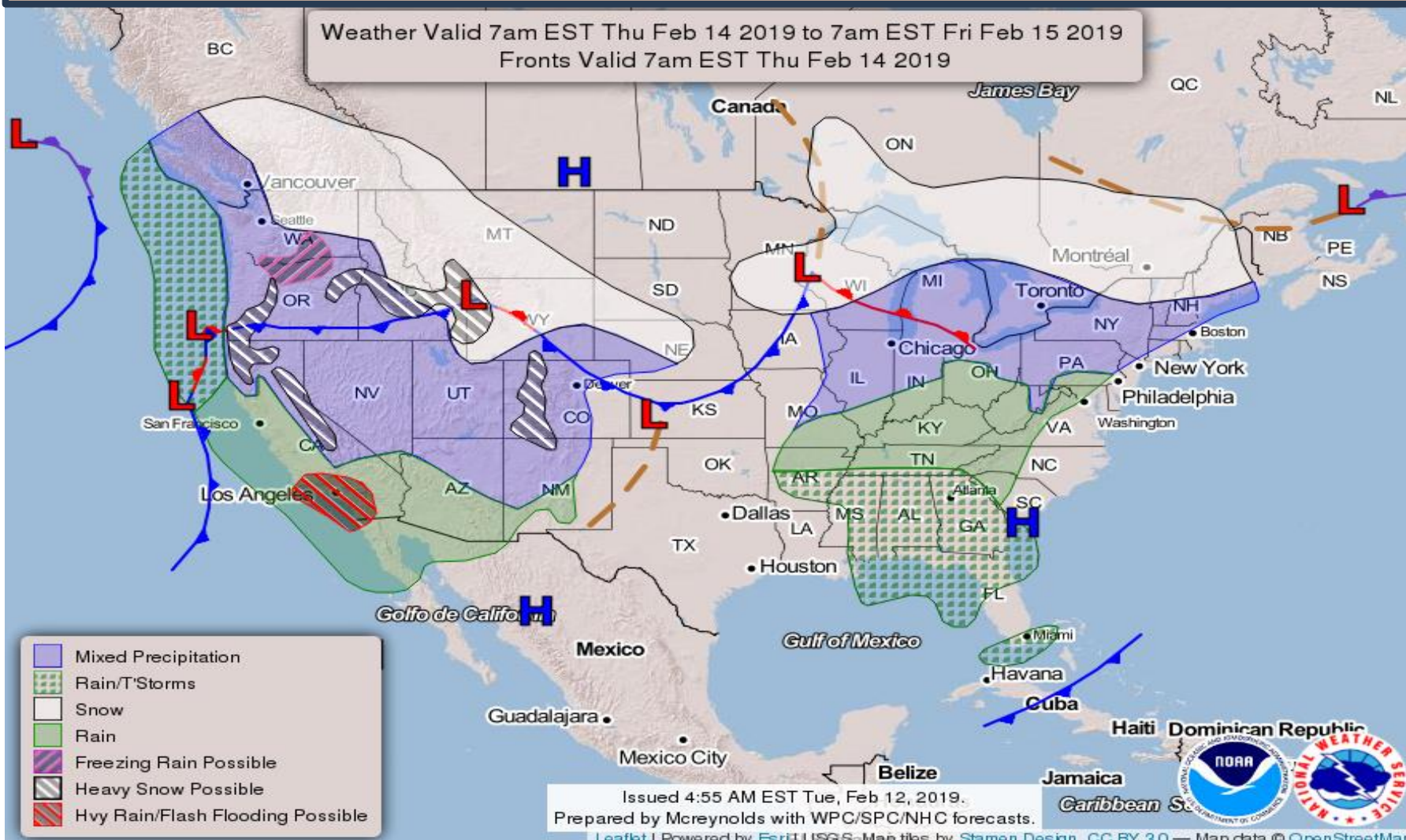


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## Forecast Chart

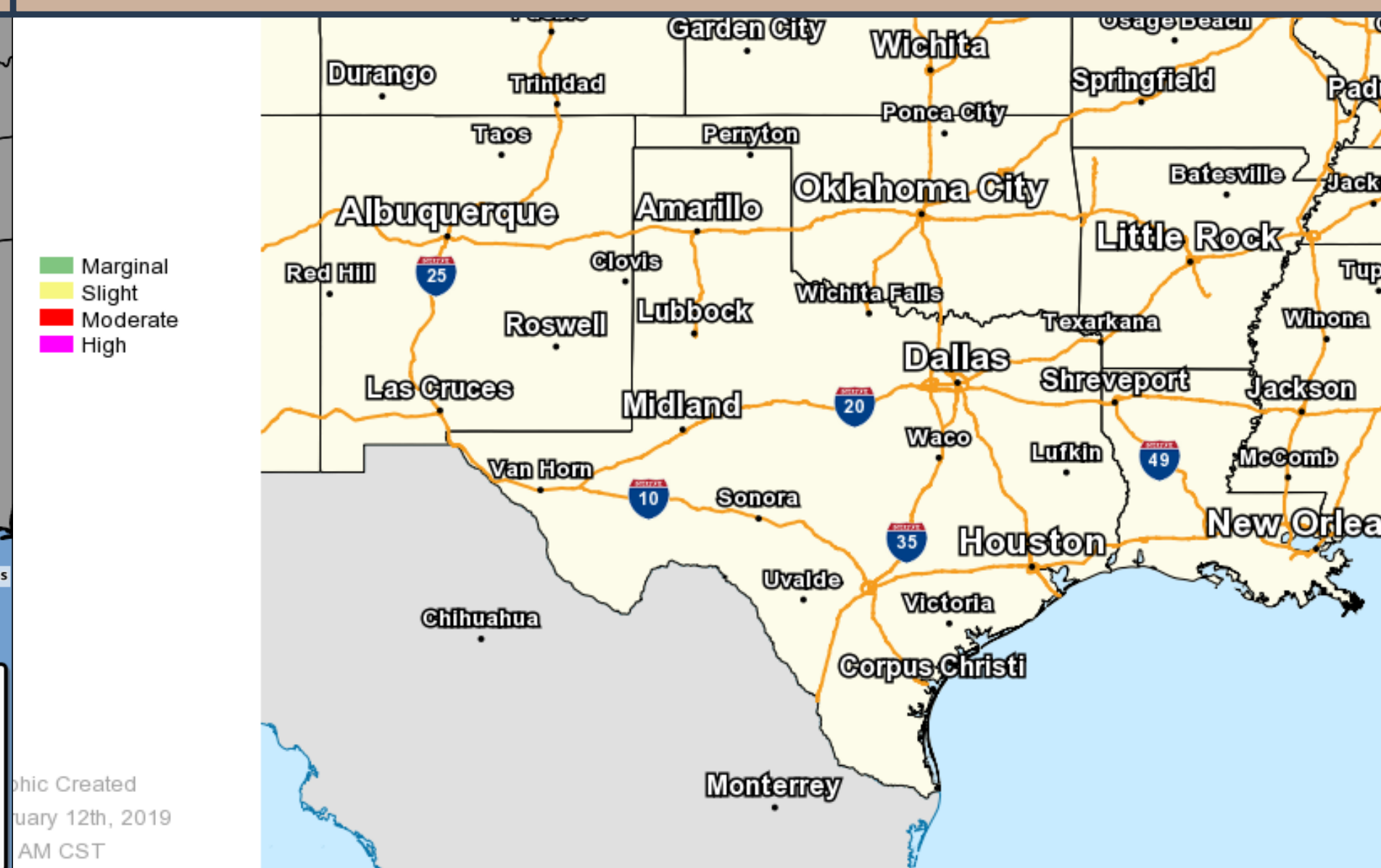
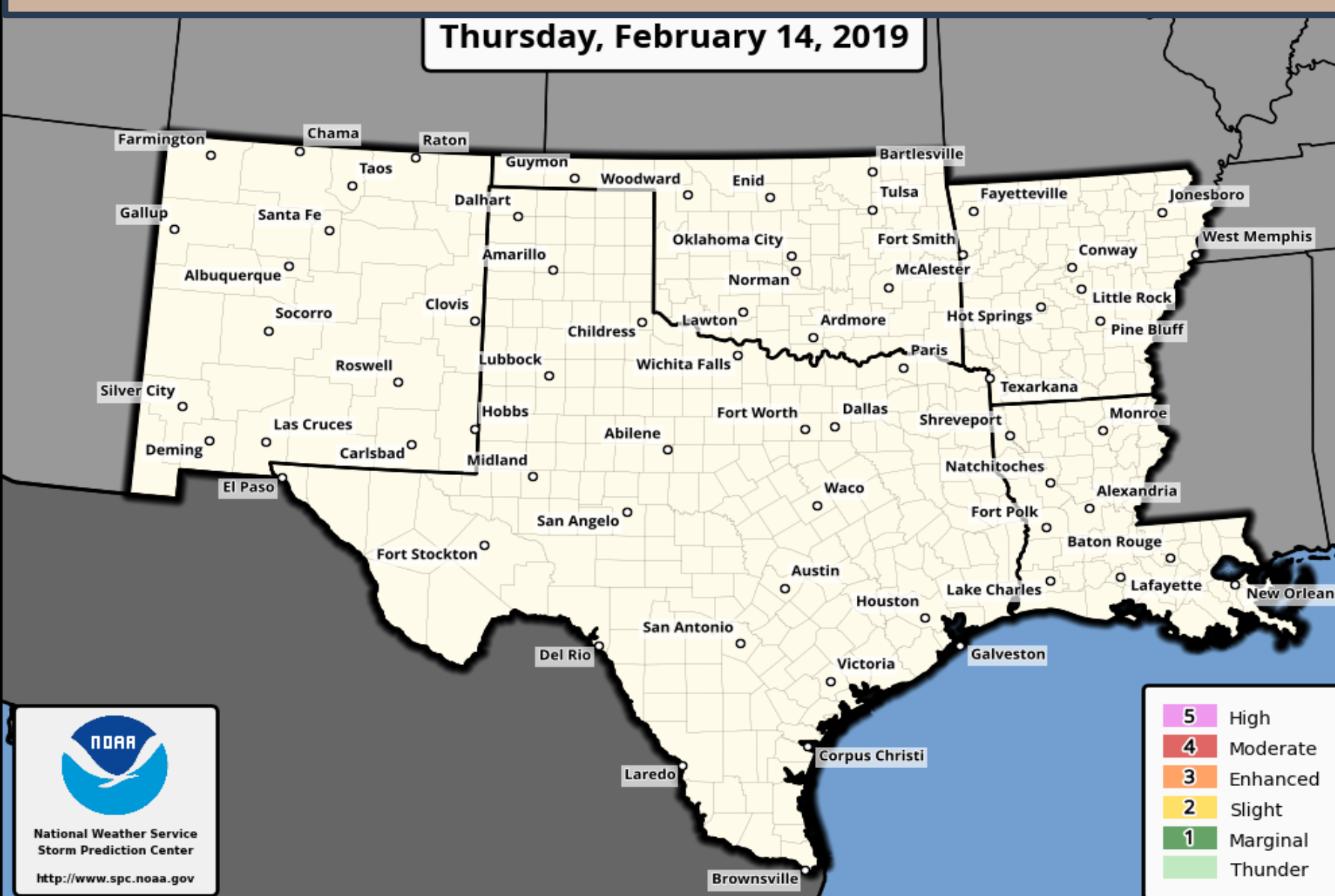
## Forecast Rainfall

Elevated to critical fire  
weather conditions for E NM,  
TX/OK Panhandles, W OK,  
W/NW TX.



## Severe Weather Outlook

## Excessive Rainfall Outlook



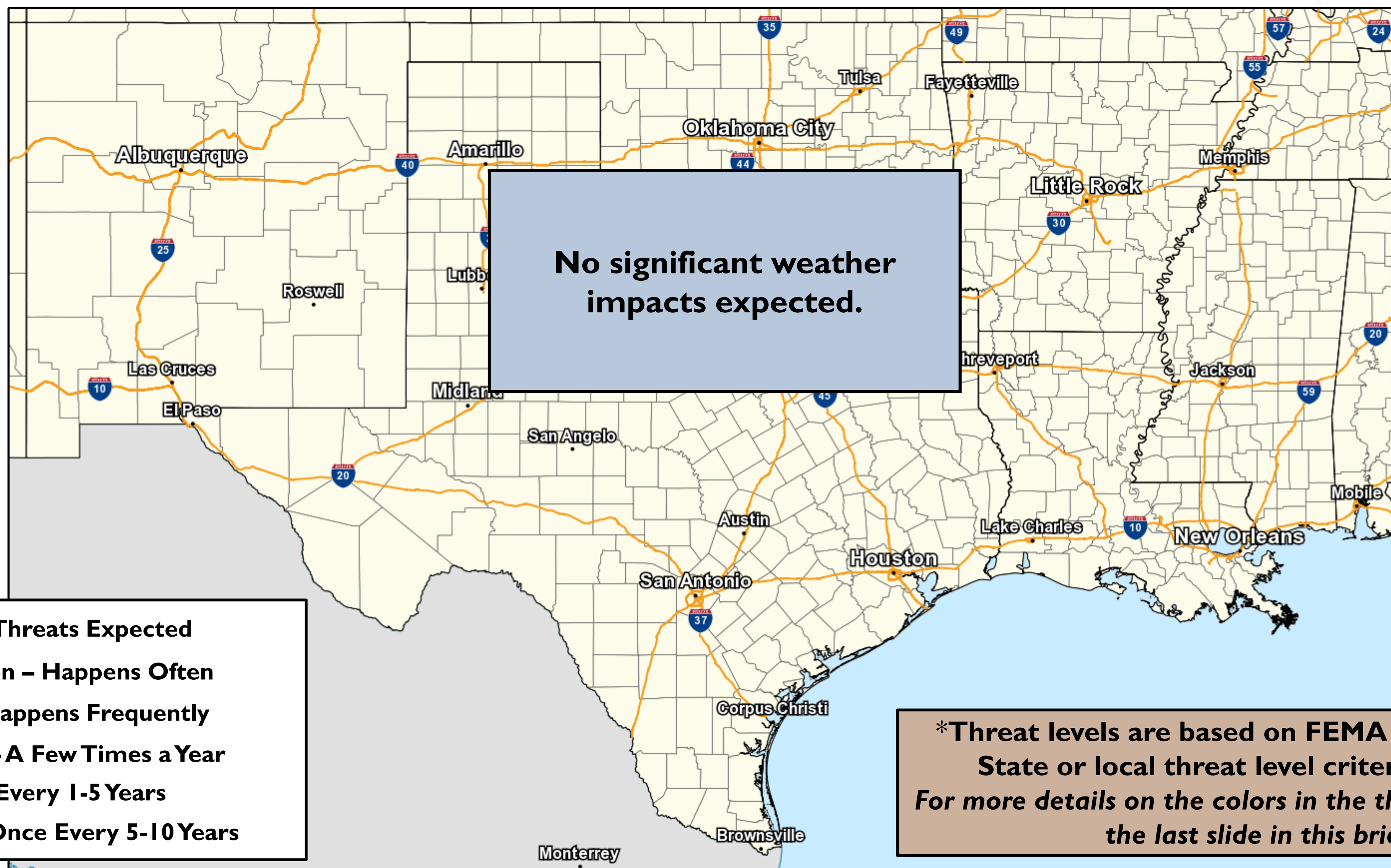


# Days 4-5 Weather Hazards

Friday – Saturday



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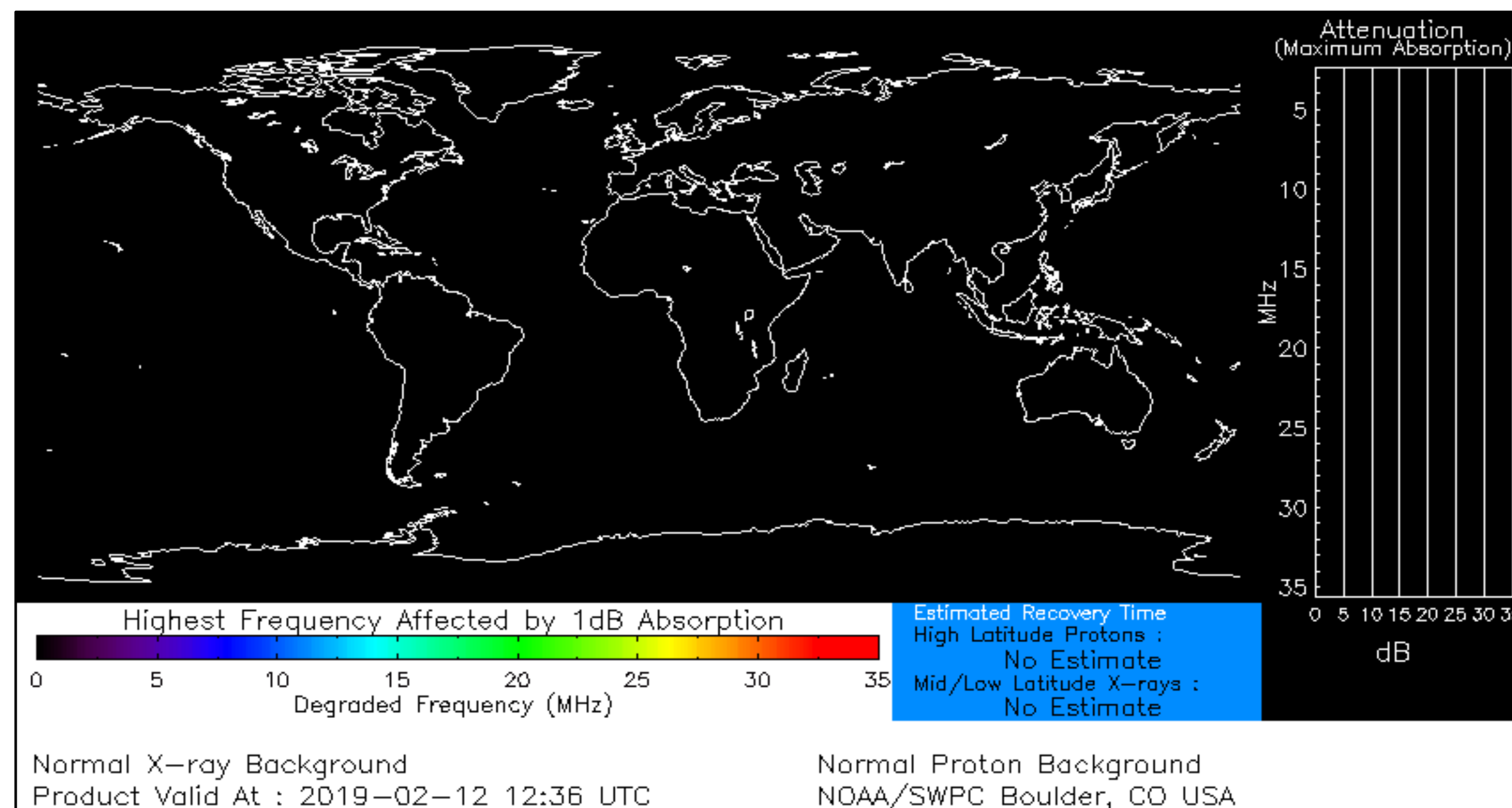


# Space Weather 3-Day Forecast



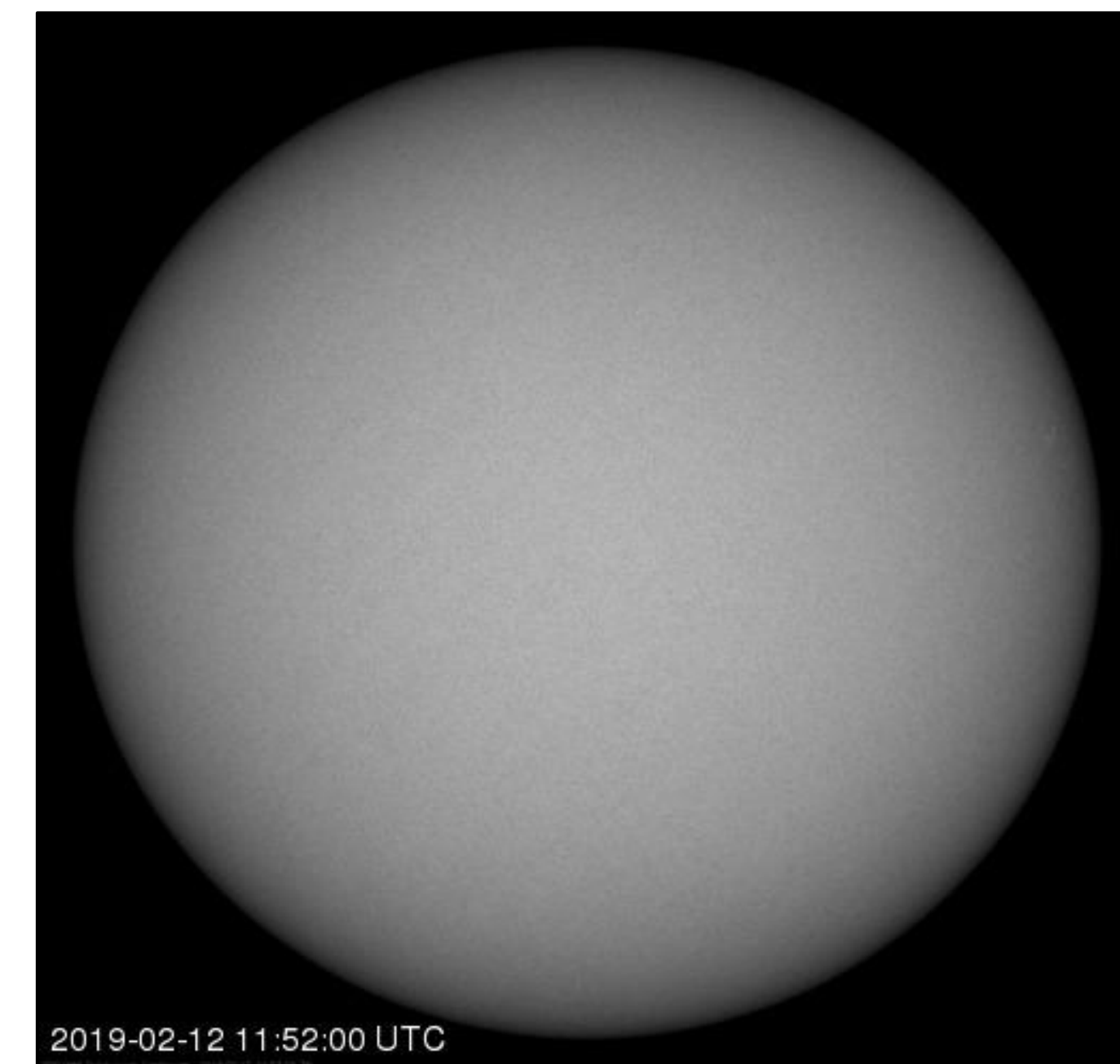
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	Tuesday	Wednesday	Thursday
Geomagnetic Storms	Quiet to Unsettled (Max Kp = 3)	Quiet to Active (Max Kp = 4)	Quiet to Unsettled (Max Kp = 3)
Solar Radiation Storm (S1-S5)	1%	1%	1%
Radio Blackout (R1-R2)	1%	1%	1%
Radio Blackout (R3-R5)	1%	1%	1%



[Click here for a Description of the Space Weather Storm Scales](#)

[Click here for the Latest 3-Day Space Weather Forecast Text](#)



2019-02-12 11:52:00 UTC





# For more information, please contact:

**National Weather Service**  
Southern Region Headquarters  
Regional Operations Center  
Fort Worth, TX

Phone: (682) 703-3747

E-mail: [sr-srh.roc@noaa.gov](mailto:sr-srh.roc@noaa.gov)

Web: <http://www.weather.gov/srh>





Weather “Threat” Matrix			
Color	Definition	Criteria	Example(s)
Green	<b>Very Common</b> Safety: Rarely a Direct Threat to Life and Property Impact Potential: Typically Results in Little Inconvenience to Daily Routines	Severe: Marginal Risk from SPC Flooding: Minor flooding expected over localized areas Tropical: None Fire Weather: No Watches/Warnings, fuel moisture above 10% or green up active	<ul style="list-style-type: none"> <li>Thunderstorms expected over LA this afternoon; a few may produce winds to knock down a few trees</li> <li>Something that happens almost every day in a particular season such as <u>seabreeze</u> storms in coastal TX</li> </ul>
Yellow	<b>Somewhat Common – Happens Frequently</b> Safety: Rarely a Direct Threat to Life and Property Impact Potential: Typically Results in Some Inconvenience to Daily Life	Severe: Slight Risk from SPC Flooding: Nuisance flooded expected for a widespread area, or Minor flooding expected over isolated areas Tropical: A weak tropical wave expected to move towards or near any coastline Fire Weather: Red Flag Watches/Warnings and/or SPC outlines enhanced or critical fire outlook	<ul style="list-style-type: none"> <li>2-3 inches of rainfall expected over central AR today and tonight; some minor (brief) street flooding possible</li> <li>Scattered severe storms possible, one or two tornadoes expected, along with reports of strong winds/wind damage and ~1” hail</li> </ul>
Orange	<b>Uncommon – A Few Times a Year</b> Safety: Often Threatening to Life and Property, Some Damage Unavoidable Impact Potential: Typically Results in Minor Disruption to Daily Life	Severe: Enhanced Risk from SPC Flooding: Minor flooding expected over a widespread area (including urban locations), or Moderate flooding expected over isolated areas Tropical: A Tropical Storm expected to move towards or near any coastline Fire: Critical fire outlook for more than 2 consecutive days, Warnings for 2 or more consecutive days, D3-D4 drought conditions	<ul style="list-style-type: none"> <li>A snow/sleet mix is expected to move through or near the DFW area tomorrow morning; travel impacts likely</li> <li>Numerous severe storms possible, a few tornadoes possible along with several reports of wind damage along with damaging hail</li> <li>Some large fires reported, burn bans advertised, critical conditions expected</li> </ul>
Red	<b>Rare – Once every 1-5 Years</b> Safety: Extensive Property Damage Likely, Life Saving Actions Also will be Needed Impact Potential: Will likely result in Large Disruption to Daily Life	Severe: Moderate Risk from SPC Flooding: Moderate flooding expected over a widespread area (including urban locations) Tropical: A Hurricane expected to move towards or near any coastline Fire: Large areas of critical conditions for 2 or more days, Warnings for 3 or more days, Severe to extreme drought	<ul style="list-style-type: none"> <li>A Category 1 hurricane will be moving towards the NW Gulf in the next few days</li> <li>Widespread severe storms likely, strong tornadoes, widespread wind damage, and destructive hail</li> <li>Large fires ongoing throughout the area with critical fire weather conditions expected to continue</li> </ul>
Purple	<b>Very Rare – Once Every 5-10 Years</b> Safety: Property Damage Unavoidable, Immediate Action to Save Life will be Needed Impact Potential: Typically Results in Long-Lived Widespread Major Disruption to Daily Life	Severe: High Risk from SPC Flooding: Major flooding expected over a widespread area (including urban locations) Tropical: A Major Hurricane (Cat3 or greater) expected to move towards or near any coastline Fire: Large area of critical conditions for 2 or more days, Warnings for 3 or more days, Long term (months) of severe to extreme drought	<ul style="list-style-type: none"> <li>A Category 4 hurricane is headed towards the SE LA; major storm surge, flooding and damaging winds anticipated to begin tomorrow</li> <li>Widespread severe storms expected, tornado outbreak probable with long-lived, very widespread and particularly intense storms</li> </ul>

**Criteria for the color codes in this briefing is to the left, please provide any feedback to**

**[sr-srh.roc@noaa.gov](mailto:sr-srh.roc@noaa.gov)**